



# Utilities and Energy Codes in the Southeast

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# Advanced Energy -Energy Codes Background

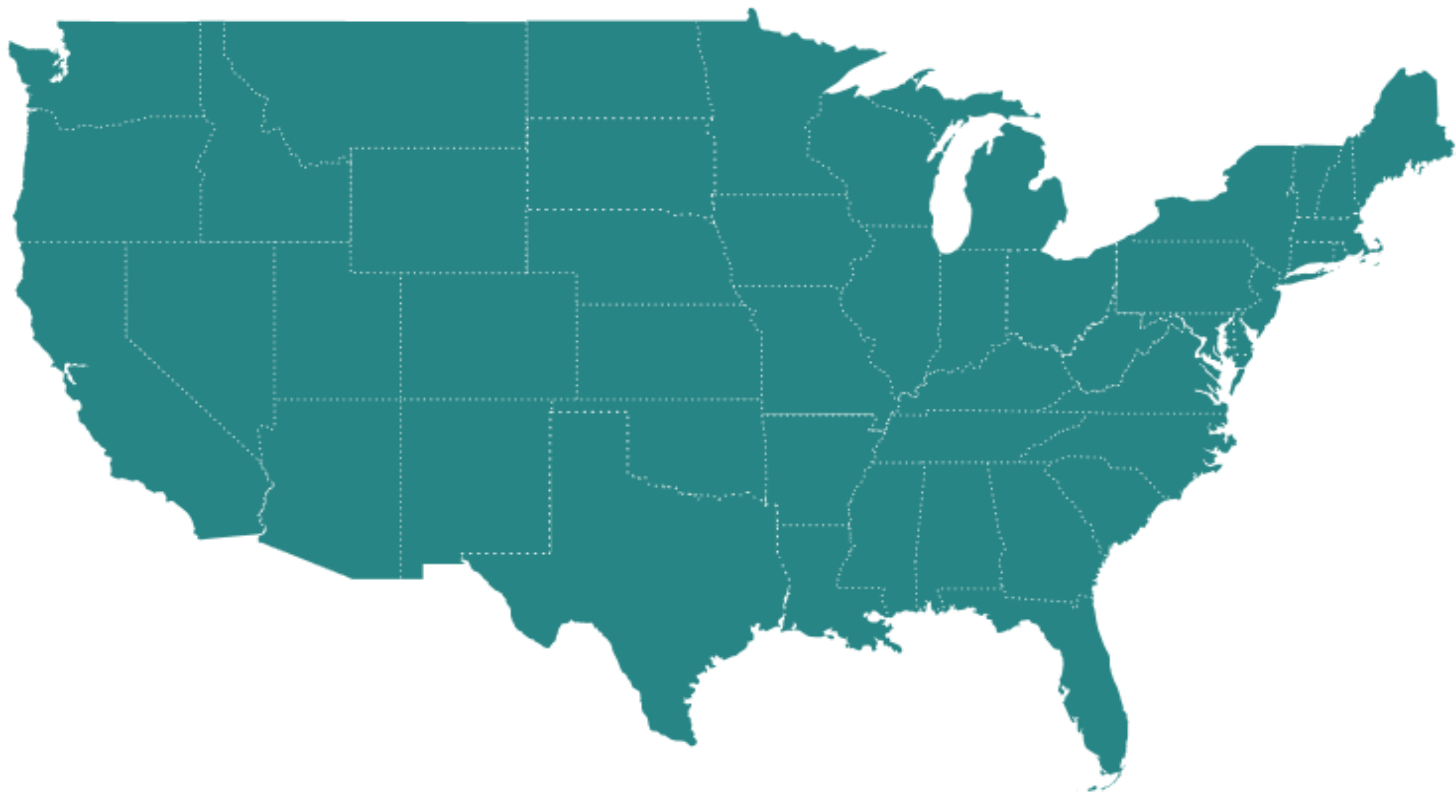
- *Success with Energy Codes manuals, web resources and training development*
  - SEEA (SC, AL, GA, AR, 2009 IECC, 2012 IECC)
  - Duke Energy Progress (NC)
  - Dept. of Commerce & Economic Opportunity (IL)
  - Arizona Public Service (AZ)
  - NEEP (DE, 2015 IECC)
  - SPEER (TX and OK)
- Training (Builders, trades, code officials)
  - NC, Georgia and Phoenix.
- On SEEA team: Providing DOE Compliance measurement in AR/GA and compliance training and support in Arkansas.

# SUCCESS WITH ENERGY CODE

*Resources for Builders and Code Officials*



**SELECT A REGION BELOW TO ACCESS RESOURCES**



# Starting the conversation

- Understanding the potential for real savings and benefits
- Understand Utility concerns
- Understand PSC concerns
- Understand best practices and considerations

# Utility Concerns/Questions on Energy Code Support

- Utilities do not want to be the enforcer of something that is supposed to be mandated
- Utilities do not want to or even be perceived as an advocate for code adoption
- What effect does energy code support have on their above code program?

# Public Service/Utility Commission Concerns

- Why get involved when other government agencies are supposed to be ensuring code compliance? (politically charged convo)
- How do you prove savings?
- What is the impact on above code programs?
- How are you going to prove you aren't double counting?

# Separating out the savings

- **X kWh/yr: homes with the code and no utility training/codes support program (i.e. code only homes)= \_\_\_\_% energy savings**
- **X kWh/yr: homes with the code and with a utility training/codes support program (codes+training) = \_\_\_\_% energy savings**
- **X kWh/yr: homes in a utility above code program = \_\_\_\_% energy savings(as compared to code only)**



# Considerations for Developing a Codes Initiative

- What are the savings goals?
- How are savings goals set?
  - Georgia = IRP Process
  - North Carolina=REPS (Renewable Energy and Energy Efficiency Portfolio Standard)
- How are savings from energy codes tracked and treated in setting and measuring goal achievement?
- What utility performance incentives are employed? Do they apply to codes programs?



# Benefits of a Codes and Standards Program

- Drive low cost energy savings
  - Reduce program rebate/implementation costs
- Capture a broader share of the market
  - Reach a higher % of total customer sites
  - Reduce lost opportunities from non-participants
- You can coordinate with your above-code programs to ensure market consistency
- Better understand code compliance rates to inform resource planning decisions
- Helps utilities support new codes instead of opposing codes due to impacts on programs
- Greatly expands program reach – greater equity for ratepayers

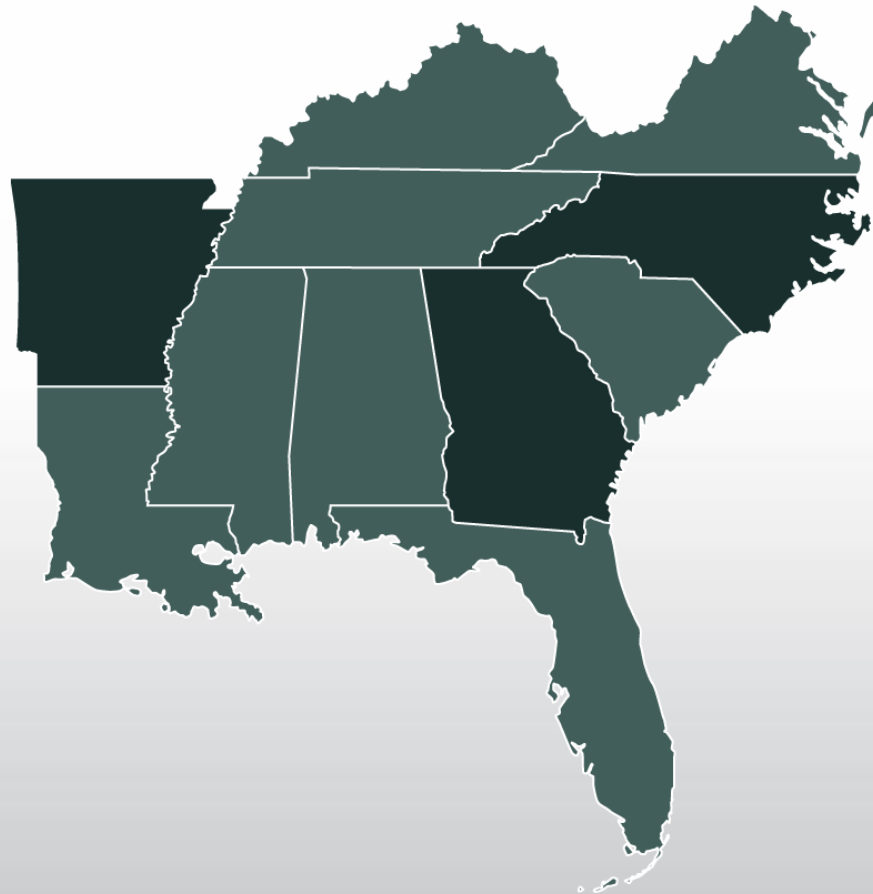
# The Utility is the Facilitator

- Utility is positioned as a facilitator and help translate the code into specific construction details and process for builders and subs
- Message to builders
  - Get better work from your subcontractors
  - Understand what each detail should look like for compliance
  - Reduce callbacks
  - Meet the code more efficiently = reduced costs

# Roles of an effective Utility EC Support Program

- Work with code officials to increase understanding of building science and relationship to energy codes
  - Improve consistency in enforcement
  - Reduce conflicting guidance
- Work with communities on codes technical support
- Work with Home Energy Raters and other allies to ensure consistency

# Focus on Georgia, North Carolina



# Utility Support Examples

## Georgia: Recipient of Energy Code Compliance Study



### Georgia Power

- Funded Energy Code trainings and printed materials in 2013
- Provides above code training to builders
- Provides Realtor and Appraiser training
- Meetings with PSC and SEEA/AE team
- Involved in stakeholder meetings
- Moving forward with over-sampling

# Utility Support Examples

North Carolina: Recipient of  
Energy Code Compliance Study



Duke Energy Progress:

- Designed RNC using stretch code and guarantees results
- Provides Energy Code technical training, focused on both basic code and stretch code
- Provides Realtor and Appraiser Education
- Participated in a Delphi Panel to get closer to real baseline



Thank you

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